

Understanding the world.

Create building sites in a tuff spot using sand, pebbles, gravel etc use cranes to explore.

Use clay to make bricks to make constructions.

Create maps with actual buildings on them.

Talk about why we need different buildings and bridges.

Use materials to build a range of different constructions, planning and talking about them.

Building challenges. Tallest building, strongest bridge

Expressive arts and design.

Make a collection of various builder's materials such as screws, washers etc to make rubbing collages from.

Investigate joining recycled materials together.

Paint their houses.

Investigate materials talking about their properties.

Design houses and work out how to strengthen their constructions.

Mathematics

Build towers with bricks and blocks and talk about height and balance (mathematical language such as taller, higher, shorter, wide, narrow).

Build a train track using the resources in the boxes. Place diggers in order by size sorting by how many wheels etc.

Measure heights of different towers using nonstandard measures such as hands string etc.

Draw houses using 2d shapes that fit together.

Bring together posters and pictures of tall buildings and talk about height and size.

Personal, Social and Emotional Development.

Working as a team.

Learning to manage feelings.

Literacy

Take rubbing on bricks looking at the patterns and shapes.

Draw instructions for building a den in garden.

Look at adverts for houses draw and write about their own houses.

Write safety rules for a building site.

Provide a range of books, stories about building and construction.

How does that building stay up ?

Physical development.

Make dens outside in the garden.

Use crates, planks, tubes and boxes to make structures.

Use nails and hammers to tap into different objects.

Build towers and constructions out of various materials.

How was this topic developed? The children are starting to plan what they are doing before they start to build. This topic will teach them about how to design and build for a purpose

Communication and Language.

Read the 3 little pigs and collect the materials that they might use. Retell the story.

Talk about the houses they live in what they look like.

Use pictures of different buildings to describe.

Look at photos of different constructions such as bridges to talk about how they have been constructed.

Introduce stories about architects and people who live in different types of buildings.